



Lyocell Fiber

Lyocell Staple Fiber

First U.S. Commercial Lyocell Fiber Production: 1992, Acordis Cellulosic Fibers, Inc.

Current U.S. Lyocell Fiber Producers: Acordis Cellulosic Fibers, Inc.; Tencel Inc

Federal Trade Commission Definition for Lyocell Fiber: A cellulose fiber obtained by an organic solvent spinning process where:

- 1) "organic solvent" means a mixture of organic chemicals and water, and
- 2) "solvent spinning" means dissolving and spinning without the formation of a derivative.

Although it is given a separate generic name, the FTC classifies Lyocell as a sub-category under "Rayon". (Complete FTC Fiber Rules [here](#).)

Basic Principles of Lyocell Fiber Production — Raw cellulose is directly dissolved in an amine oxide solvent. The solution is filtered, extruded into an aqueous bath of dilute amine oxide, and coagulated into fiber form.

Lyocell Fiber Characteristics

- o Soft, strong, absorbent
- o Fibrillated during wet processing to produce special textures
- o Excellent wet strength
- o Wrinkle resistant
- o Very versatile fabric dyable to vibrant colors, with a variety of effects and textures.
- o Can be hand washable
- o Simulates silk, suede, or leather touch
- o Good drapability
- o Biodegradable

General Lyocell Fiber Care Tips

- o Lyocell can be either washable or dry-cleanable, depending on the care label. When the proper finish is applied, lyocell can be laundered at home and is highly resistant to shrinkage.

Some Major Lyocell Fiber Uses

- **Apparel:** Dresses, slacks, coats, jeans